

CRF Errors Corrected by the STIC Systems Branch

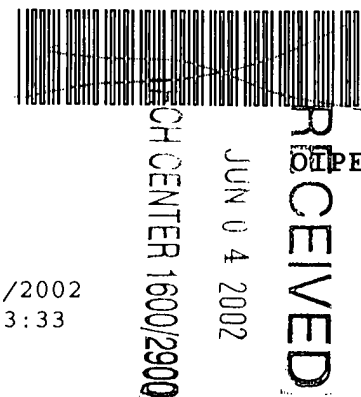
Serial Number: 09/801/185B

CRF Processing Date: 5/17/02
 Edited by: DC
 Verified by: _____ (STIC staff)

0420 OIP 1644
 JUN 4 2002
 TECH CENTER 1800-900
 RECEIVED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☒ Inserted colons after headings/subheadings. Headings edited included: Seq ID 37
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/801,185B

DATE: 05/17/2002

TIME: 13:03:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

C--> 6 (i) APPLICANT: BASF Aktiengesellschaft
 12 (ii) TITLE OF INVENTION: Human Antibodies that Bind Human TNFalpha
 14 (iii) NUMBER OF SEQUENCES: 37
 16 (iv) CORRESPONDENCE ADDRESS:
 17 (A) ADDRESSEE: LAHIVE & COCKFIELD
 18 (B) STREET: 28 State Street
 19 (C) CITY: Boston
 20 (D) STATE: Massachusetts
 21 (E) COUNTRY: USA
 22 (F) ZIP: 02109
 24 (v) COMPUTER READABLE FORM:
 25 (A) MEDIUM TYPE: Floppy disk
 26 (B) COMPUTER: IBM PC compatible
 27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
 30 (vi) CURRENT APPLICATION DATA:
 C--> 31 (A) APPLICATION NUMBER: US/09/801,185B
 C--> 32 (B) FILING DATE: 07-Mar-2001
 48 (C) CLASSIFICATION:
 45 (vii) PRIOR APPLICATION DATA:
 36 (A) APPLICATION NUMBER: US 08/599,226
 37 (B) FILING DATE: 09-FEB-1996
 41 (A) APPLICATION NUMBER: US 60/031,476
 42 (B) FILING DATE: 25-NOV-1996
 46 (A) APPLICATION NUMBER: US 09/125,098
 47 (B) FILING DATE: 07-AUG-1998
 50 (viii) ATTORNEY/AGENT INFORMATION:
 51 (A) NAME: DeConti, Giulio A., Jr.
 52 (B) REGISTRATION NUMBER: 31,503
 53 (C) REFERENCE/DOCKET NUMBER: BBI-043CPUSCN
 55 (ix) TELECOMMUNICATION INFORMATION:
 56 (A) TELEPHONE: (617)227-7400
 57 (B) TELEFAX: (617)227-5941
 60 (2) INFORMATION FOR SEQ ID NO: 1:
 62 (i) SEQUENCE CHARACTERISTICS:
 63 (A) LENGTH: 107 amino acids
 64 (B) TYPE: amino acid
 65 (D) TOPOLOGY: linear
 67 (ii) MOLECULE TYPE: peptide
 69 (v) FRAGMENT TYPE: internal
 71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/801,185B

TIME: 13:03:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

```

73   Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
74   1                               5                               10                               15
76   Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
77   20                               25                               30
79   Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
80   35                               40                               45
82   Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
83   50                               55                               60
85   Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
86   65                               70                               75                               80
88   Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr
89   85                               90                               95
91   Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
92   100                               105

```

95 (2) INFORMATION FOR SEQ ID NO: 2:

97 (i) SEQUENCE CHARACTERISTICS:

98 (A) LENGTH: 121 amino acids

99 (B) TYPE: amino acid

100 (D) TOPOLOGY: linear

102 (ii) MOLECULE TYPE: peptide

104 (v) FRAGMENT TYPE: internal

106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```

108   Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Arg
109   1                               5                               10                               15
111   Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
112   20                               25                               30
114   Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
115   35                               40                               45
117   Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
118   50                               55                               60
120   Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
121   65                               70                               75                               80
123   Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
124   85                               90                               95
126   Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly
127   100                               105                               110
129   Gln Gly Thr Leu Val Thr Val Ser Ser
130   115                               120

```

133 (2) INFORMATION FOR SEQ ID NO: 3:

135 (i) SEQUENCE CHARACTERISTICS:

136 (A) LENGTH: 9 amino acids

137 (B) TYPE: amino acid

138 (D) TOPOLOGY: linear

140 (ii) MOLECULE TYPE: peptide

142 (v) FRAGMENT TYPE: internal

144 (ix) FEATURE:

145 (A) NAME/KEY: Modified-site

146 (B) LOCATION: 9

147 (D) OTHER INFORMATION: /note= "Xaa is Thr or Ala"

RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/801,185B

TIME: 13:03:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

```

149      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 151      Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa
152      1          5
155 (2) INFORMATION FOR SEQ ID NO: 4:
157      (i) SEQUENCE CHARACTERISTICS:
158          (A) LENGTH: 12 amino acids
159          (B) TYPE: amino acid
160          (D) TOPOLOGY: linear
162      (ii) MOLECULE TYPE: peptide
164      (v) FRAGMENT TYPE: internal
166      (ix) FEATURE:
167          (A) NAME/KEY: Modified-site
168          (B) LOCATION: 12
169          (D) OTHER INFORMATION: /note= "Xaa is Tyr or Asn"
171      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 173      Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa
174      1          5          10
177 (2) INFORMATION FOR SEQ ID NO: 5:
179      (i) SEQUENCE CHARACTERISTICS:
180          (A) LENGTH: 7 amino acids
181          (B) TYPE: amino acid
182          (D) TOPOLOGY: linear
184      (ii) MOLECULE TYPE: peptide
186      (v) FRAGMENT TYPE: internal
188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
190      Ala Ala Ser Thr Leu Gln Ser
191      1          5
194 (2) INFORMATION FOR SEQ ID NO: 6:
196      (i) SEQUENCE CHARACTERISTICS:
197          (A) LENGTH: 17 amino acids
198          (B) TYPE: amino acid
199          (D) TOPOLOGY: linear
201      (ii) MOLECULE TYPE: peptide
203      (v) FRAGMENT TYPE: internal
205      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
207      Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu
208      1          5          10          15
210      Gly
214 (2) INFORMATION FOR SEQ ID NO: 7:
216      (i) SEQUENCE CHARACTERISTICS:
217          (A) LENGTH: 11 amino acids
218          (B) TYPE: amino acid
219          (D) TOPOLOGY: linear
221      (ii) MOLECULE TYPE: peptide
223      (v) FRAGMENT TYPE: internal
225      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
227      Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala
228      1          5          10
231 (2) INFORMATION FOR SEQ ID NO: 8:

```

RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/801,185B

TIME: 13:03:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

```

233      (i) SEQUENCE CHARACTERISTICS:
234          (A) LENGTH: 5 amino acids
235          (B) TYPE: amino acid
236          (D) TOPOLOGY: linear
238      (ii) MOLECULE TYPE: peptide
240          (v) FRAGMENT TYPE: internal
242      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
244      Asp Tyr Ala Met His
245      1          5
248 (2) INFORMATION FOR SEQ ID NO: 9:
250      (i) SEQUENCE CHARACTERISTICS:
251          (A) LENGTH: 107 amino acids
252          (B) TYPE: amino acid
253          (D) TOPOLOGY: linear
255      (ii) MOLECULE TYPE: peptide
257          (v) FRAGMENT TYPE: internal
259      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
261      Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
262      1          5          10          15
264      Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
265      20          25          30
267      Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
268      35          40          45
270      Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
271      50          55          60
273      Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
274      65          70          75          80
276      Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Tyr
277      85          90          95
279      Ala Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
280      100          105
283 (2) INFORMATION FOR SEQ ID NO: 10:
285      (i) SEQUENCE CHARACTERISTICS:
286          (A) LENGTH: 121 amino acids
287          (B) TYPE: amino acid
288          (D) TOPOLOGY: linear
290      (ii) MOLECULE TYPE: peptide
292          (v) FRAGMENT TYPE: internal
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
296      Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
297      1          5          10          15
299      Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
300      20          25          30
302      Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Asp Trp Val
303      35          40          45
305      Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
306      50          55          60
308      Glu Gly Arg Phe Ala Val Ser Arg Asp Asn Ala Lys Asn Ala Leu Tyr
309      65          70          75          80

```

RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/801,185B

TIME: 13:03:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

```

311      Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
312                85                      90                      95
314      Thr Lys Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn Trp Gly
315                100                    105                    110
317      Gln Gly Thr Leu Val Thr Val Ser Ser
318                115                      120
321 (2) INFORMATION FOR SEQ ID NO: 11:
323      (i) SEQUENCE CHARACTERISTICS:
324          (A) LENGTH: 9 amino acids
325          (B) TYPE: amino acid
326          (D) TOPOLOGY: linear
328      (ii) MOLECULE TYPE: peptide
330      (v) FRAGMENT TYPE: internal
332      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
334      Gln Lys Tyr Asn Ser Ala Pro Tyr Ala
335      1                5
338 (2) INFORMATION FOR SEQ ID NO: 12:
340      (i) SEQUENCE CHARACTERISTICS:
341          (A) LENGTH: 9 amino acids
342          (B) TYPE: amino acid
343          (D) TOPOLOGY: linear
345      (ii) MOLECULE TYPE: peptide
347      (v) FRAGMENT TYPE: internal
349      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
351      Gln Lys Tyr Asn Arg Ala Pro Tyr Ala
352      1                5
355 (2) INFORMATION FOR SEQ ID NO: 13:
357      (i) SEQUENCE CHARACTERISTICS:
358          (A) LENGTH: 9 amino acids
359          (B) TYPE: amino acid
360          (D) TOPOLOGY: linear
362      (ii) MOLECULE TYPE: peptide
364      (v) FRAGMENT TYPE: internal
366      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
368      Gln Lys Tyr Gln Arg Ala Pro Tyr Thr
369      1                5
372 (2) INFORMATION FOR SEQ ID NO: 14:
374      (i) SEQUENCE CHARACTERISTICS:
375          (A) LENGTH: 9 amino acids
376          (B) TYPE: amino acid
377          (D) TOPOLOGY: linear
379      (ii) MOLECULE TYPE: peptide
381      (v) FRAGMENT TYPE: internal
383      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
385      Gln Lys Tyr Ser Ser Ala Pro Tyr Thr
386      1                5
389 (2) INFORMATION FOR SEQ ID NO: 15:
391      (i) SEQUENCE CHARACTERISTICS:
392          (A) LENGTH: 9 amino acids

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/801,185B

DATE: 05/17/2002
TIME: 13:03:34

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\05172002\I801185B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos.9
Seq#:4; Xaa Pos.12

VERIFICATION SUMMARY

DATE: 05/17/2002

PATENT APPLICATION: US/09/801,185B

TIME: 13:03:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05172002\I801185B.raw

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:] of (1) line corrected
L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0